Hit List



Search Results - Record(s) 1 through 10 of 11 returned.

1. Document ID: US 6576450 B2

L29: Entry 1 of 11

File: USPT

Jun 10, 2003

US-PAT-NO: 6576450

DOCUMENT-IDENTIFIER: US 6576450 B2

TITLE: Polyhydroxyalkanoate production from polyols

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Skraly; Frank A.

Boston

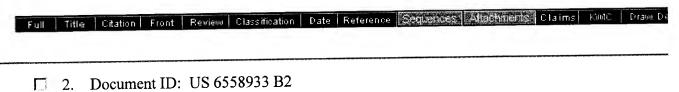
MA

Peoples; Oliver P.

Arlington

MA

US-CL-CURRENT: <u>435</u>/<u>135</u>



2. Document is: 05 october =

L29: Entry 2 of 11

File: USPT

May 6, 2003

US-PAT-NO: 6558933

DOCUMENT-IDENTIFIER: US 6558933 B2

TITLE: Mutant 1,3-propanediol dehydrogenase

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Donald; Trimbur E.

Redwood City

CA

Gregory; Whited M.

Belmont

CA

Selifonova; Olga V.

Navarre

MN

US-CL-CURRENT: 435/190; 435/157, 435/158, 435/252.3, 435/320.1, 435/440, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Affactments Claims Kindo Draw Do

3. Document ID: US 6514733 B1

L29: Entry 3 of 11

File: USPT

Feb 4, 2003

US-PAT-NO: 6514733

DOCUMENT-IDENTIFIER: US 6514733 B1

TITLE: Process for the biological production of 1,3-propanediol with high titer

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Emptage; Mark Wilmington DE
Haynie; Sharon L. Philadelphia PA
Laffend; Lisa A. Claymont DE
Pucci; Jeff P. Pacifica CA
Whited; Gregory Belmont CA

US-CL-CURRENT: 435/158; 435/155, 435/252.33

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KiMC Draw Do

4. Document ID: US 6468773 B1

L29: Entry 4 of 11

File: USPT

Oct 22, 2002

US-PAT-NO: 6468773

DOCUMENT-IDENTIFIER: US 6468773 B1

TITLE: Mutant 1,3-propandiol dehydrogenase

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Donald; Trimbur E. Redwood City CA
Gregory; Whited M. Belmont CA
Selifonova; Olga V. Navarre MN

US-CL-CURRENT: 435/190; 435/440, 536/23.2

Full Title Citation Front Review Classification Date Reference **Sequences Affectments** Claims KMIC Draw De

☐ 5. Document ID: US 6432686 B1

L29: Entry 5 of 11 File: USPT Aug 13, 2002

US-PAT-NO: 6432686

h e b b g ee e f e e f b e

DOCUMENT-IDENTIFIER: US 6432686 B1

TITLE: Method for the production of 1,3-propanediol by recombinant organisms comprising genes for vitamin B12 transport

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME

CITY

ZIP CODE STATE

COUNTRY

NL

Bulthuis; Ben A.

Hoofddorp

CA

Whited; Gregory M.

Belmont Redwood City

Trimbur; Donald E.

CA

Gatenby; Anthony A.

Wilmington

DE

US-CL-CURRENT: 435/158; 435/252.3, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences Attachments	Claims	KWIC	Draw. D
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☐ 6. Document ID: US 6428767 B1

L29: Entry 6 of 11

File: USPT

Aug 6, 2002

US-PAT-NO: 6428767

DOCUMENT-IDENTIFIER: US 6428767 B1

TITLE: Method for identifying the source of carbon in 1,3-propanediol

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Burch; Robert R.

Exton

PA

Hockessin

Dorsch; Robert R.

Claymont

DΕ

Laffend; Lisa Anne Nagarajan; Vasantha

Wilmington

DE DE

Nakamura; Charles

Claymont

DΕ

US-CL-CURRENT: 424/1.37; 250/281, 250/282, 424/1.11, 435/6, 435/93

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KiMC | Draw Do

7. Document ID: US 6329183 B1

L29: Entry 7 of 11

File: USPT

Dec 11, 2001

US-PAT-NO: 6329183

DOCUMENT-IDENTIFIER: US 6329183 B1

** See image for Certificate of Correction **

TITLE: Polyhydroxyalkanoate production from polyols

b b g ee e f e ef е e b h

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Skraly; Frank A.

Boston

MA

Peoples; Oliver P.

Arlington

MA

US-CL-CURRENT: 435/135

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claums Kinic Draw De

8. Document ID: US 6136576 A

L29: Entry 8 of 11

File: USPT

Oct 24, 2000

US-PAT-NO: 6136576

DOCUMENT-IDENTIFIER: US 6136576 A

TITLE: Method for the recombinant production of 1,3-propanediol

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Diaz-Torres; Maria

San Mateo

Belmont

CA CA

Dunn-Coleman; Nigel S

Los Gatos

CA

Chase; Matthew W. Trimbur; Donald

Redwood City

CA

US-CL-CURRENT: 435/158; 435/232, 530/350, 536/23.1, 536/23.2, 536/23.7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KiMC | Draw De

9. Document ID: US 6025184 A

L29: Entry 9 of 11

File: USPT

Feb 15, 2000

US-PAT-NO: 6025184

DOCUMENT-IDENTIFIER: US 6025184 A

TITLE: Bioconversion of a fermentable carbon source to 1,3-propanediol by a single

microorganism

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME

Nakamura; Charles Edwin

CITY

STATE ZIP CODE

е

COUNTRY

Laffend; Lisa Anne Nagarajan; Vasantha

Wilmington

DE DE

Wilmington Claymont

DE

h e b b g ee e f e ef b

US-CL-CURRENT: 435/252.33; 435/252.3, 435/320.1

Full Title Citation Front Review Classification	Date Reference Sequences Alla	Shineris Claims KMC Draw De
☐ 10. Document ID: US 6013494 A		
L29: Entry 10 of 11	File: USPT	Jan 11, 2000

US-PAT-NO: 6013494

Nair; Ramesh V.

DOCUMENT-IDENTIFIER: US 6013494 A

TITLE: Method for the production of 1,3-propanediol by recombinant microorganisms

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION: ZIP CODE COUNTRY STATE CITY NAME DE Nakamura; Charles E. Claymont Wilmington DΕ Gatenby; Anthony A. Redwood City CA Hsu; Amy Kuang-Hua Mountain View CA La Reau; Richard D. Philadelphia PΑ Haynie; Sharon L. San Mateo CA Diaz-Torres; Maria CA Redwood City Trimbur; Donald E. CA Belmont Whited; Gregory M. DE Wilmington Nagarajan; Vasantha DΕ Wilmington Payne; Mark S. Landenberg PAPicataggio; Stephen K. DΕ Wilmington

US-CL-CURRENT: 435/158; 435/252.3, 435/252.33, 435/254.21, 435/69.1

Full	Title Citation	Front	Review	Classification	Date	Reference	Sequence	5 Attach	nents Claim:	KOMO	Drawo Dr
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L29: Entry 11 of 11

File: USPT

Nov 11, 1997

DOCUMENT-IDENTIFIER: US 5686276 A

TITLE: Bioconversion of a fermentable carbon source to 1,3-propanediol by a single microorganism

Brief Summary Text (10):

In <u>Klebsiella</u> pneumoniae and Citrobacter freundii, the genes encoding the functionally linked activities of glycerol dehydratase (<u>dhaB</u>), 1,3-propanediol oxidoreductase (<u>dhaT</u>), glycerol dehydrogenase (<u>dhaD</u>), and dihydroxyacetone kinase (<u>dhaK</u>) are encompassed by the dha regulon. The dha regulons from Citrobacter and <u>Klebsiella</u> have been expressed in Escherichia coli and have been shown to convert glycerol to 1,3-propanediol.

Detailed Description Text (52):

Cells suitable in the present invention comprise those that harbor a dehydratase enzyme. Typically the enzyme will be either a glycerol dehydratase or a diol dehydratase having a substrate specificity for either glycerol or 1,2-propanediol, respectively. Dehydratase enzymes are capable of converting glycerol to hydroxypropionaldehyde (3-HPA) which is then converted to 1,3-propanediol. Cells containing this pathway may include mutated or recombinant organisms belonging to the genera Citrobacter, Enterobacter, Clostridium, Klebsiella, Samonella, and Lactobacillus. Microorganisms known by persons skilled in the art to produce glycerol by fermentation, e.g., Aspergillus, Saccharomyces, Zygosaccharomyces, Pichia, Kluyveromyces, Candida, Hansenula, Dunaliella, Debaryomyces, Mucor, Torylopsis, and Methylobacteria, may be the hosts for a recombinant dehydratase enzyme. Other cells suitable as hosts in the present invention include Bacillus and Escherichia. While not wishing to be bound by theory, it is believed that organisms, belonging to the above mentioned groups, exist in nature that are suitable for the present invention.

CLAIMS:

4. The process of claim 1 wherein the microorganism is selected from the group consisting of members of the genera Citrobacter, Enterobacter, Clostridium, Klebsiella, Aerobacter, Lactobacillus, Aspergillus, Saccharomyces, Zygosaccharomyces, Pichia, Kluyveromyces, Candida, Hansenula, Debaryomyces, Mucor, Torulopsis, Methylobacteria, Escherichia, and Salmonella; recombinant microorganisms transformed with a gene encoding a glycerol dehydratase enzyme or a diol dehydratase enzyme; and mutants of microorganisms having phenotypes which enhance production of 1,3-propanediol.

Hit List



Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6432686 B1

L31: Entry 1 of 2

File: USPT

Aug 13, 2002

US-PAT-NO: 6432686

DOCUMENT-IDENTIFIER: US 6432686 B1

TITLE: Method for the production of 1,3-propanediol by recombinant organisms

comprising genes for vitamin B12 transport

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Bulthuis; Ben A.

Hoofddorp

NL

Whited; Gregory M.

Belmont

CA

Trimbur; Donald E.

Redwood City

CA

Gatenby; Anthony A.

Wilmington

DΕ

US-CL-CURRENT: 435/158; 435/252.3, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMAC	Draw. D
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☐ 2. Document ID: US 6136576 A

L31: Entry 2 of 2

File: USPT

Oct 24, 2000

US-PAT-NO: 6136576

DOCUMENT-IDENTIFIER: US 6136576 A

TITLE: Method for the recombinant production of 1,3-propanediol

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

CITY NAME

ZIP CODE STATE

COUNTRY

Diaz-Torres; Maria

San Mateo

CA

Dunn-Coleman; Nigel S

Los Gatos

CA

Chase; Matthew W. Trimbur; Donald

Belmont

CA

Redwood City

CA

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US-CL-CURRENT: 435/158; 435/232, 530/350, 536/23.1, 536/23.2, 536/23.7

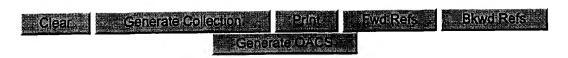
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Search Results - Record(s) 1 through 10 of 11 returned.

1. Document ID: US 6576450 B2

L29: Entry 1 of 11

File: USPT

Jun 10, 2003

US-PAT-NO: 6576450

DOCUMENT-IDENTIFIER: US 6576450 B2

TITLE: Polyhydroxyalkanoate production from polyols

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Skraly; Frank A.

Boston

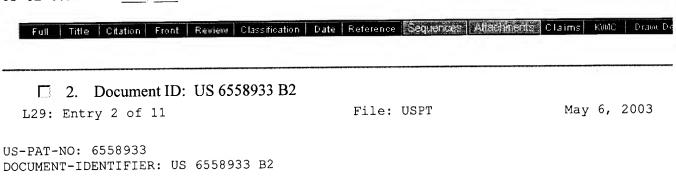
MA

Peoples; Oliver P.

Arlington

MA

US-CL-CURRENT: 435/135



DATE-ISSUED: May 6, 2003

TITLE: Mutant 1,3-propanediol dehydrogenase

INVENTOR-INFORMATION:

INVENTOR INTORMITTOR

CITY

STATE

ZIP CODE

COUNTRY

Donald; Trimbur E.

NAME

Redwood City

CA

Gregory; Whited M.

Belmont

CA

Selifonova; Olga V.

Navarre

MN

US-CL-CURRENT: $\underline{435/190}$; $\underline{435/157}$, $\underline{435/158}$, $\underline{435/252.3}$, $\underline{435/320.1}$, $\underline{435/440}$, $\underline{536/23.2}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Kimic Draw, De

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3. Document ID: US 6514733 B1

L29: Entry 3 of 11

File: USPT

Feb 4, 2003

US-PAT-NO: 6514733

DOCUMENT-IDENTIFIER: US 6514733 B1

TITLE: Process for the biological production of 1,3-propanediol with high titer

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Emptage; Mark Haynie; Sharon L. Wilmington Philadelphia DE PA

Laffend; Lisa A. Pucci; Jeff P.

Claymont Pacifica DE CA

Whited; Gregory

Belmont

CA

US-CL-CURRENT: 435/158; 435/155, 435/252.33

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4. Document ID: US 6468773 B1

L29: Entry 4 of 11

File: USPT

Oct 22, 2002

US-PAT-NO: 6468773

DOCUMENT-IDENTIFIER: US 6468773 B1

TITLE: Mutant 1,3-propandiol dehydrogenase

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Donald; Trimbur E.

Redwood City

CA

Gregory; Whited M.

Belmont

CA

Selifonova; Olga V.

Navarre

MN

US-CL-CURRENT: 435/190; 435/440, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KiMC Draw Do

☐ 5. Document ID: US 6432686 B1

L29: Entry 5 of 11

File: USPT

Aug 13, 2002

US-PAT-NO: 6432686

h eb b g ee e f

e

ef b e

DOCUMENT-IDENTIFIER: US 6432686 B1

TITLE: Method for the production of 1,3-propanediol by recombinant organisms

comprising genes for vitamin B12 transport

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

NL

Bulthuis; Ben A.

Hoofddorp

CA

Whited; Gregory M.

Belmont

Trimbur; Donald E.

Redwood City

CA

Gatenby; Anthony A.

Wilmington

DΕ

US-CL-CURRENT: 435/158; 435/252.3, 435/320.1

Full	Titl∈	Citation Front	Review	Classification	Date	Reference	Sequences	-that inner to	Claims	KMC	Draim, De
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	6	Document ID:	US 64	28767 B1							

L29: Entry 6 of 11

File: USPT

Aug 6, 2002

US-PAT-NO: 6428767

DOCUMENT-IDENTIFIER: US 6428767 B1

TITLE: Method for identifying the source of carbon in 1,3-propanediol

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

b

е

COUNTRY

Burch; Robert R.

Exton

PA

Dorsch; Robert R.

Hockessin

DE

Laffend; Lisa Anne

Claymont

DE

Nagarajan; Vasantha

Wilmington

DE

Nakamura; Charles

Claymont

DΕ

US-CL-CURRENT: 424/1.37; 250/281, 250/282, 424/1.11, 435/6, 435/93

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

7. Document ID: US 6329183 B1

L29: Entry 7 of 11

File: USPT

Dec 11, 2001

US-PAT-NO: 6329183

DOCUMENT-IDENTIFIER: US 6329183 B1

** See image for Certificate of Correction **

TITLE: Polyhydroxyalkanoate production from polyols

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Record List Display

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Skraly; Frank A.

Peoples; Oliver P.

Boston

MA

Arlington

MA

US-CL-CURRENT: 435/135

Full Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawi, De

8. Document ID: US 6136576 A

L29: Entry 8 of 11

File: USPT

Oct 24, 2000

US-PAT-NO: 6136576

DOCUMENT-IDENTIFIER: US 6136576 A

TITLE: Method for the recombinant production of 1,3-propanediol

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Diaz-Torres; Maria

San Mateo Los Gatos CA

Dunn-Coleman; Nigel S

Los Gatos CA Belmont CA

Chase; Matthew W. Trimbur; Donald

Redwood City

CA

US-CL-CURRENT: $\underline{435}/\underline{158}$; $\underline{435}/\underline{232}$, $\underline{530}/\underline{350}$, $\underline{536}/\underline{23.1}$, $\underline{536}/\underline{23.2}$, $\underline{536}/\underline{23.7}$

Full T	litle	Citation	Front	Review	Classification	Date	Reference	Sequences Attachments	Claims	KOMC	Отаюс Ве

9. Document ID: US 6025184 A

L29: Entry 9 of 11

File: USPT

Feb 15, 2000

US-PAT-NO: 6025184

DOCUMENT-IDENTIFIER: US 6025184 A

TITLE: Bioconversion of a fermentable carbon source to 1,3-propanediol by a single

microorganism

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME

STATE ZIP CODE

COUNTRY

Laffend; Lisa Anne

Wilmington

DE

Nagarajan; Vasantha Nakamura; Charles Edwin Wilmington

DE

Claymont

e

CITY

DE

h eb b g ee e f

ef b e

US-CL-CURRENT: <u>435/252.33</u>; <u>435/252.3</u>, <u>435/320.1</u>

Full	Title	Citation Front	Review	Classification	Date	Reference	Sequences	Attackments	Claims	K3/01C	Draw I
	10.	Document ID	: US 6	013494 A							
T.29 · F	Entry	10 of 11				File:	USPT		Jan	11.	2000

US-PAT-NO: 6013494

DOCUMENT-IDENTIFIER: US 6013494 A

TITLE: Method for the production of 1,3-propanediol by recombinant microorganisms

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakamura; Charles E.	Claymont	DE		
Gatenby; Anthony A.	Wilmington	DE		
Hsu; Amy Kuang-Hua	Redwood City	CA		
La Reau; Richard D.	Mountain View	CA		
Haynie; Sharon L.	Philadelphia	PA		
Diaz-Torres; Maria	San Mateo	CA		
Trimbur; Donald E.	Redwood City	CA		
Whited; Gregory M.	Belmont	CA		
Nagarajan; Vasantha	Wilmington	DE		
Payne; Mark S.	Wilmington	DE		
Picataggio; Stephen K.	Landenberg	PA		
Nair; Ramesh V.	Wilmington	DE		

US-CL-CURRENT: $\underline{435}/\underline{158}$; $\underline{435}/\underline{252.3}$, $\underline{435}/\underline{252.33}$, $\underline{435}/\underline{254.21}$, $\underline{435}/\underline{69.1}$

Full	Title Citation	Front	Review	Classification	Date	Reference	Sequenc	s Altach	nents	Claims	KOMO	Drawo D
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